

<b>MORAY WEST WEEKLY NOTICE OF OPERATIONS</b>	Issue Date	15/05/2023
	Ref: WNoO 0015	Rev: 01

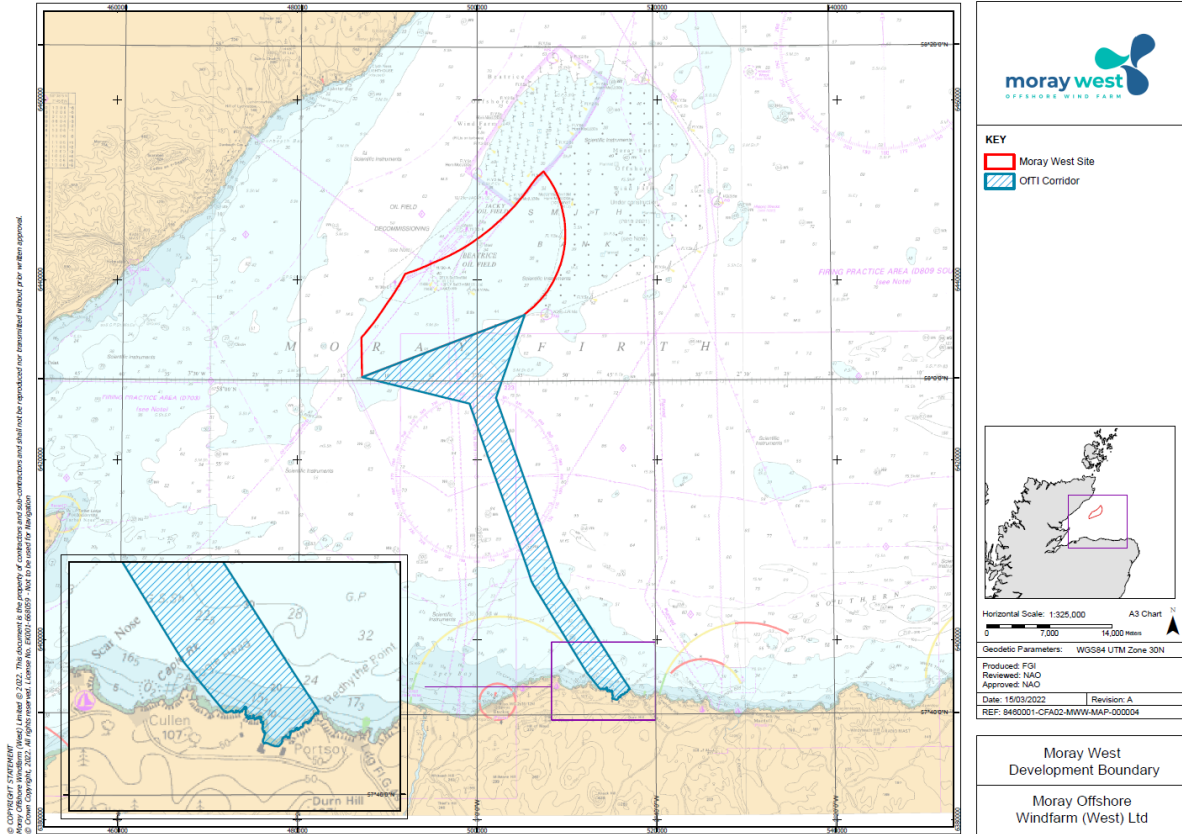
## Work Planned for the Period 15<sup>th</sup> May to 21<sup>st</sup> May 2023

*Construction work for Moray West Offshore Wind Farm commenced on the 6<sup>th</sup> February 2023.*

*The key aim of the Weekly Notice of Operations is to give a global view of activities and vessels involved. Questions regarding the operations will be welcome preferably well in advance of each construction activity.*

Moray West is developing the Moray West Offshore Wind Farm in the Moray Firth. The Moray West Site covers an area of approximately 225 km<sup>2</sup> on the Smith Bank in the Outer Moray Firth approximately 22 km from the Caithness coastline. The development will consist of 60 offshore wind turbines (WTGs) (with a total capacity of approximately 882 MW) and two Offshore Substation Platforms (OSPs) with associated subsea WTG inter-array cables and an OSP interconnector cable. The generated power will be transmitted to the grid via two subsea export cable circuits that will come ashore at Sandend Bay, which is located on the Aberdeenshire coast at Broad Craig near Sandend Bay, approximately 65 km south of the Moray West Site. There are two underground cable circuits currently under construction from the landfall at Broad Craig to Whitehillock near Keith in Moray where the Moray West onshore substation is under construction. There are also further underground cables being installed between Whitehillock substation and the existing Scottish Hydro Electric Transmission Blackhillock substation. The Moray West offshore development boundary is shown in black on Figure 1 below. Details of location of work activities within this area will be provided as work progresses.

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**Figure 1 - Moray West Offshore Development Boundary**

It is currently anticipated that weather permitting offshore construction works will be carried out year-round and on a continuous basis (i.e., 24 hours working, seven days a week) unless notified otherwise.

Moray West Marine Coordination Centre in Fraserburgh is manned 24 hours, 7 days per week.

The current construction works are as follows:

- UXO ID and DISPOSAL WORKS
- Boulder and Debris Relocation Works
- Deployment of Moray West Offshore Windfarm Construction Marker Buoys

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## 1. Contact Details for Marine Coordination

The following contact can provide more information if required. Please note that specific queries can also be addressed to the relevant vessel or shore-based representative.

<b>Duty MC (24/7)</b>	+44 (0) 7774 663504
<b>Emergency Contact (24/7)</b>	+44 (0) 8001 488832
<b>Marine Coordinator Email</b>	MCC@moraywest.com
<b>Address</b>	Shore Street, Fraserburgh, AB43 9BR

## 2. Ongoing Works

### 2.1 UXO ID and Disposal Works

The UXO ID works commenced on 25<sup>th</sup> February 2023 with trials and then operations on the export cable routes followed by the wind farm site itself. All ID works are now complete. Operations are now focused on cUXO disposal, there are 81 targets in total, 14 have already been disposed of. The vessel is currently in port for repairs, if works restarts this week will be focused on the export corridor in order to complete the remaining 4 targets, if complete, then works will commence on the wind farm site.

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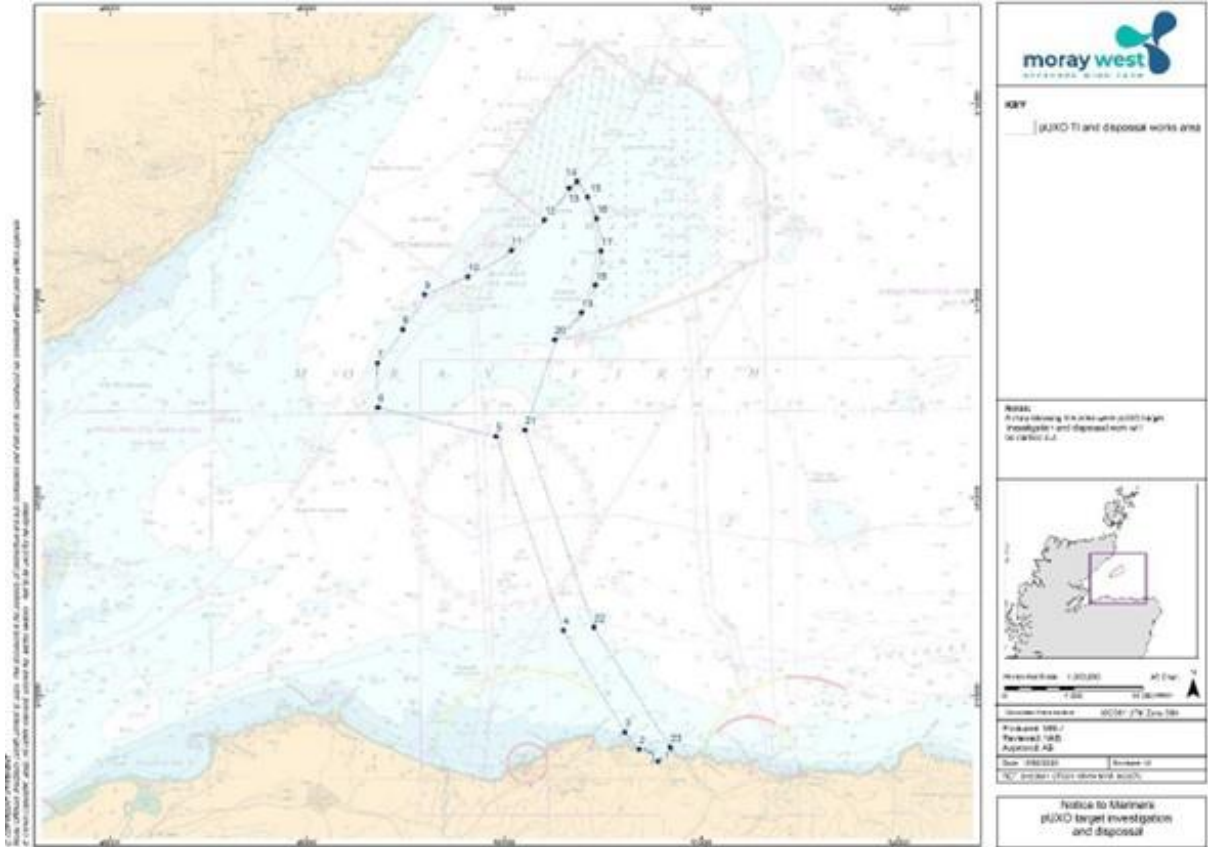


Figure 1 – Moray West UXO ID and Disposal Works Area

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Table 1. Coordinates of proposed Moray West UXO ID and Disposal Works Area

Moray West UXO ID and Disposal Works Area - Coordinates				
Site ID	UTM30(N) Easting (m)	UTM30(N) Northing (m)	WGS84 Latitude	WGS84 Longitude
1	515588	6393327	57° 40.914' N	2° 44.315' W
2	513674	6394542	57° 41.573' N	2° 46.238' W
3	512241	6396280	57° 42.512' N	2° 47.675' W
4	505998	6406578	57° 48.070' N	2° 53.945' W
5	499158	6426229	57° 58.663' N	3° 0.854' W
6	487208	6429171	58° 0.237' N	3° 12.986' W
7	487142	6433649	58° 2.650' N	3° 13.068' W
8	489705	6437067	58° 4.496' N	3° 10.472' W
9	491909	6440618	58° 6.413' N	3° 8.237' W
10	496301	6442406	58° 7.380' N	3° 3.768' W
11	500728	6445086	58° 8.825' N	2° 59.258' W
12	504067	6448162	58° 10.482' N	2° 55.851' W
13	506584	6451396	58° 12.223' N	2° 53.279' W
14	507377	6452075	58° 12.588' N	2° 52.468' W
15	508444	6450484	58° 11.729' N	2° 51.382' W
16	509362	6448299	58° 10.551' N	2° 50.450' W
17	509828	6445014	58° 8.780' N	2° 49.983' W
18	509247	6441558	58° 6.918' N	2° 50.583' W
19	507845	6438786	58° 5.426' N	2° 52.017' W
20	505117	6436035	58° 3.946' N	2° 54.796' W
21	502103	6426877	57° 59.012' N	2° 57.866' W
22	509094	6406908	57° 48.245' N	2° 50.819' W
23	516843	6394746	57° 41.676' N	2° 43.047' W

The expected remaining duration of works is 11 weeks completing around **end of July 2023**, but the exact works duration and completion date will depend on weather and progress of the works.

The scope of work anticipated to be complete this week (weather and progress dependant) includes following activities:

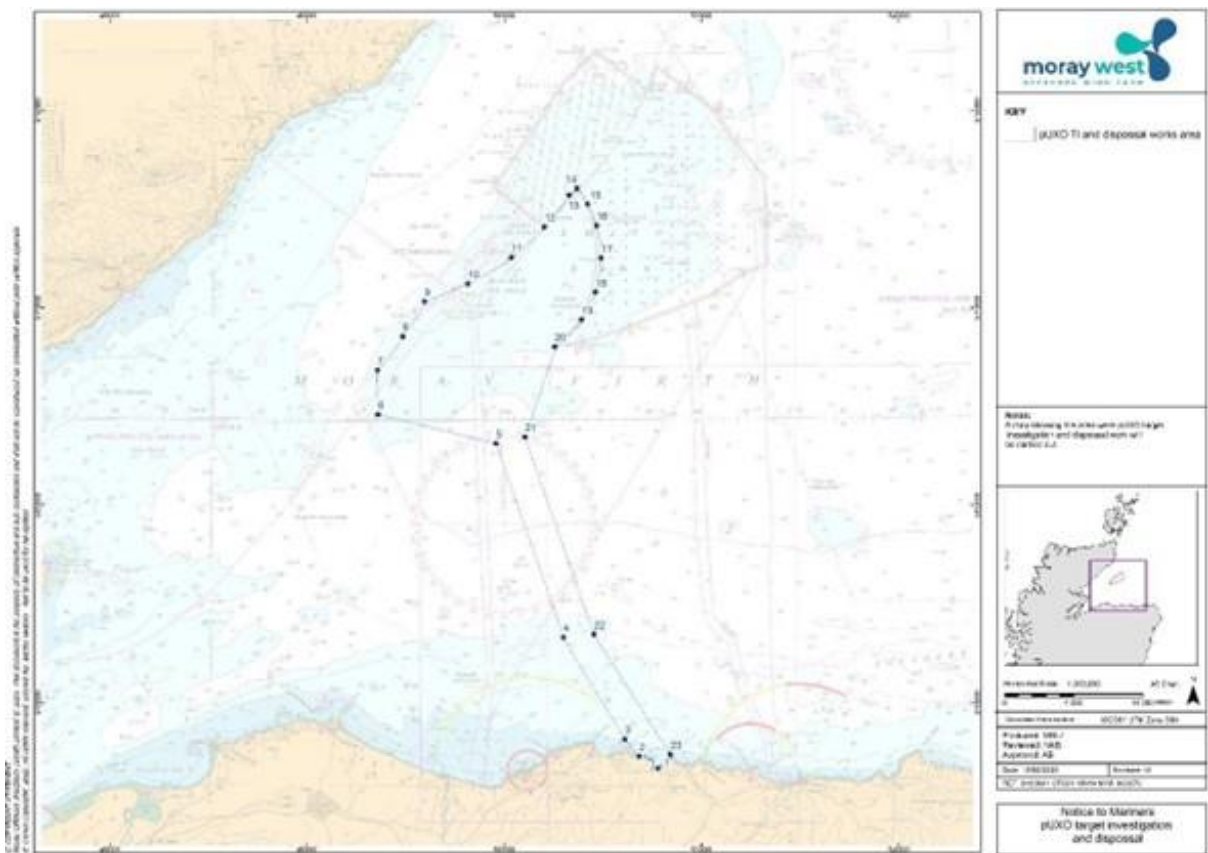
- UXO Disposal works (Export Corridor and OWF Site)
- Archaeological investigations (SoW and location yet unknown).

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All works are being performed by the Glomar Wave. The Glomar Wave will operate on DP for this scope of work, during operations there will be a work-class ROV deployed via A-Frame.

**2.2 Boulder and Debris Relocation Works**

The Boulder and Debris Relocation works commenced on 11<sup>th</sup> March 2023 with trials and then operations on the export cable routes. This week works will continue within the export corridor.



**Figure 2 – Moray West Boulder and Debris Relocation Works Area**

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Table 2. Coordinates of Moray West Boulder and Debris Relocation Works

Moray West Boulder and Debris Relocation Works Area - Coordinates				
Site ID	UTM30(N) Easting (m)	UTM30(N) Northing (m)	WGS84 Latitude	WGS84 Longitude
1	515588	6393327	57° 40.914' N	2° 44.315' W
2	513674	6394542	57° 41.573' N	2° 46.238' W
3	512241	6396280	57° 42.512' N	2° 47.675' W
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22	509094	6406908	57° 48.245' N	2° 50.819' W
23	516843	6394746	57° 41.676' N	2° 43.047' W

The expected remaining duration of works is 4 months completing around **early August 2023**, but the exact works duration and completion date will depend on weather and progress of the works.

The scope of work anticipated to be complete this week (weather and progress dependant) includes following activities:

1. Continue relocation works (Export Corridor)

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The scope of work anticipated to be remaining completed (weather and progress dependant) includes the following activities:

1. Relocation works (OWF Site)

All works are being performed by the Olympic Electra. The vessel will operate on DP for this scope of work, during operations there will be a specialist ROV-controlled grab deployed via A-Frame.

### **2.3 Deployment of Moray West Offshore Windfarm Construction Marker Buoys**

Moray West will complete the deployment of 7 construction marker buoys around the Moray West site. The marker buoys will remain in place until after construction of the Moray West Offshore Wind Farm is complete. The co-ordinates for the as-built marker buoys are provided in the Table 3 below. The Vessel Cameron is on site 13/05/2023, the works are expected to take 4 days and be completed on 17<sup>th</sup> May 2023



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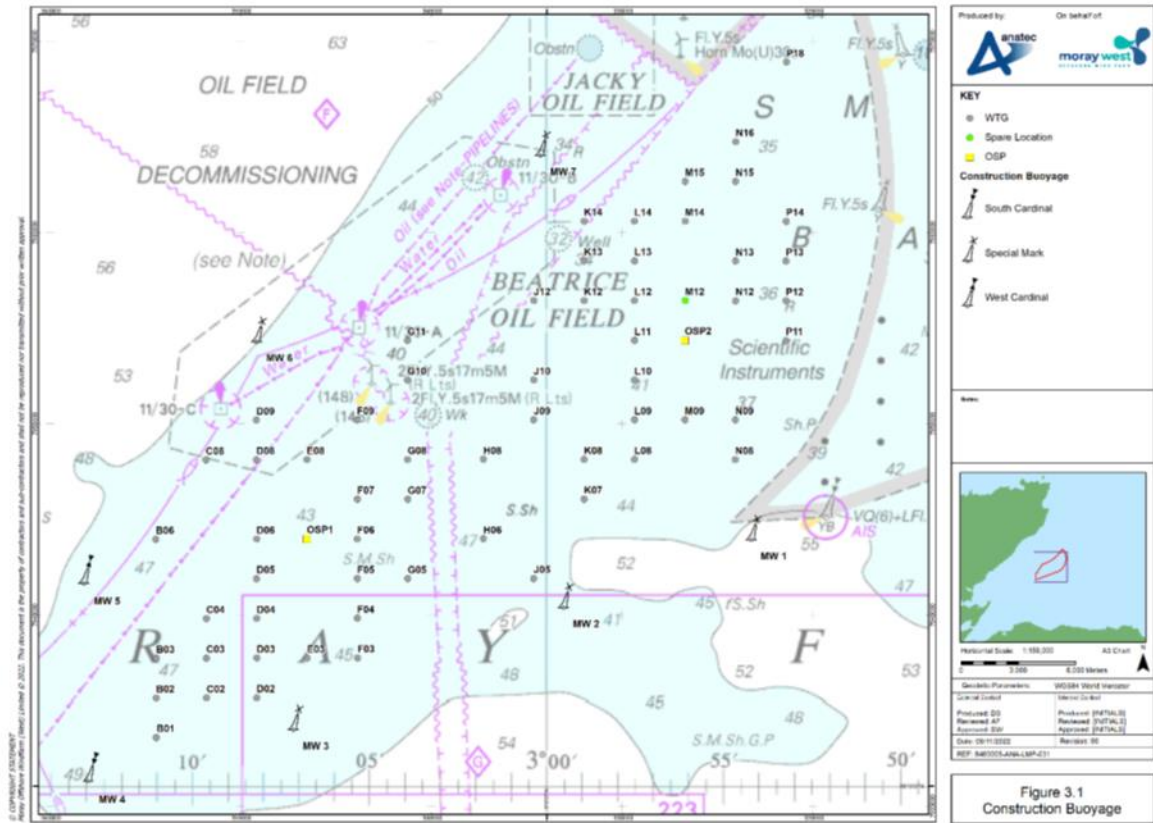


Figure 3 Moray West Buoy deployment locations

Table 3 – Marker Buoy Locations

Construction Buoyage Positions and Specifications				
Buoy	ID	Location		Light and Top Mark Specification
		Latitude (Degrees Minutes Seconds)	Longitude (DDMMSS)	
Special Mark	MW1	58° 03' 41" N	002° 54' 14" W	<ul style="list-style-type: none"> <li>Pillar shaped with a yellow 'x' shaped topmark</li> <li>Exhibiting a Fl Y 5s light character</li> <li>Category 1 Availability - 99.8%</li> </ul>

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Special Mark	MW2	58° 02' 40" N	002° 59' 32" W	<ul style="list-style-type: none"> <li>Pillar shaped with a yellow 'x' shaped topmark</li> <li>Exhibiting a Fl Y 5s light character</li> <li>Category 1 Availability - 99.8%</li> </ul>
Special Mark	MW3	58° 00' 50" N	003° 07' 10" W	<ul style="list-style-type: none"> <li>Pillar shaped with a yellow 'x' shaped topmark</li> <li>Exhibiting a Fl Y 5s light character</li> <li>Category 1 Availability - 99.8%</li> </ul>
South Cardinal	MW4	58° 00' 04" N	003° 12' 56" W	<ul style="list-style-type: none"> <li>Pillar shaped with a south cardinal shaped topmark</li> <li>Exhibiting a V Quick (Q) (6) + L Fl 10s W light character.</li> <li>Category 1 Availability - 99.8%</li> <li>AIS AtoN (Category 3 Availability - 97.0%).</li> </ul>
West Cardinal	MW5	58° 03' 02" N	003° 13' 04" W	<ul style="list-style-type: none"> <li>Pillar shaped with a west cardinal shaped topmark</li> <li>V Q (9) 15s W light</li> <li>Category 1 Availability - 99.8%</li> </ul>
Special Mark	MW6	58° 06' 38" N	003° 08' 12" W	<ul style="list-style-type: none"> <li>Pillar shaped with a yellow 'x' shaped topmark</li> <li>Exhibiting a Fl Y 5s light character</li> <li>Category 1 Availability - 99.8%</li> </ul>
Special Mark	MW7	58° 09' 25" N	003° 00' 11" W	<ul style="list-style-type: none"> <li>Pillar shaped with a yellow 'x' shaped topmark</li> <li>Exhibiting a Fl Y 5s light character</li> <li>Category 1 Availability - 99.8%</li> </ul>

### **3 Completed Works**

**3.1** – All Marine HDD works on HDD1, and HDD2 completed 22/03/2023

Leaving behind Inshore Marker buoy in position

Latitude: 57 41.2922N, Longitude: 002 43.8006W

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And a Weather Data Buoy in position

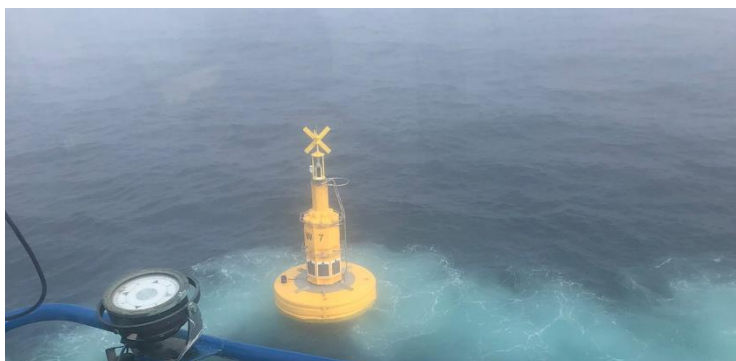
Latitude : 57 41.2922N, Longitude: 002 43.8006W



### 3.2 Marker buoy deployment completed works

On Saturday 13<sup>th</sup> May 3 data Buoys, MW1 Special, MW5 West Cardinal, & MW7 Special have been deployed.

On Monday 15<sup>th</sup> May 2 Buoys were deployed MW2 Special Mark and MW3 Special Mark as per table above



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#### **4. Upcoming works**

1. Scour Protection installation – June 2023-September 2023
2. Monopile foundation installation – August 2023- March 2023
3. Wind Turbine Generator (WTG) Transition Piece Installation -December 2023- June 2024
4. WTG Installation – April 2024- October 2024

#### **5. General Safety Advice**

Please be aware that by virtue of their mode of operation and the equipment deployed, some construction vessels will be Restricted in their Ability to Manoeuvre (RAM) as defined under COLREGs (International Regulations for Preventing Collisions at Sea 1972, Rule 3). Masters of vessels are therefore requested to maintain their vessels and gears at a minimum safe distance from these vessels of 500 metres when it is undertaking its work and showing the appropriate shapes and lights in accordance with COLREGs Rule 27.

In order to not compromise the safety of the project vessels and their crew, and each vessel's ability to undertake its contracted works, fishermen who have static fishing gears deployed within the defined Moray West site (see Figure 1) are requested to provide the coordinates of such deployed gears in DMS and details of whether the surface markers used are visible at all states of visibility to Alex Winrow-Griffin (Brown & May Marine) using the contact information in the Fisheries Liaison section below (Section 58 of the Merchant Shipping Act 1995).

Fishermen who have static gears deployed beyond 12 nm are reminded that static gear must be marked in accordance with Commission Implementing Regulation (EU) No. 404/2011 (<https://www.gov.uk/guidance/markings-of-fishing-gear-retrieval-and-notification-of-lost-gear#marking-of-fishing-gear>). Static gears deployed within 12 nm should be marked in accordance with The Marking of Creels (Scotland) Order 2020 (<https://www.legislation.gov.uk/ssi/2020/168/made/data.pdf>).

All mariners are requested to give all construction and support vessels a safe passing distance and contact the vessel on VHF CH16 to ascertain what distance is required dependant on their ongoing operation.

Mariners are requested to navigate with caution, to use all means appropriate to aid safe navigation as defined under COLREGs Rule 27, and keep continued watch on VHF Ch. 16, 87 and 73 when navigating the area.

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### Fisheries Liaison

Fisheries liaison associated with the activity will be co-ordinated by Brown and May Marine (Moray West Company Fisheries Liaison Officer). For any non-urgent commercial fishery queries please contact Brown and May Marine or Moray West's Commercial Fisheries Manager. Note that they are only available during standard office hours and may not be able to provide immediate responses. For queries requiring an immediate response please contact either the Moray West Marine Coordinator or an Offshore Fisheries Liaison Officer:

- **Moray West Company Fisheries Liaison Officer (CFLO)**

**Alex Winrow-Giffin** - Brown and May Marine Ltd.  
 Email: [alex@brownmay.com](mailto:alex@brownmay.com)  
 Tel: +44 1379 872148 / + 44 7760 160039
  
- **Moray West Commercial Fisheries Manager**

**Iain McMyn**  
 Email: [iain.mcmyn@oceanwinds.com](mailto:iain.mcmyn@oceanwinds.com)  
[mailto:](mailto:iain.mcmyn@oceanwinds.com)Tel: +44 7780 191088
  
- **Offshore Fisheries Liaison Officer**

Currently deployed onboard Glomar Wave – Johnathan Edmond  
 Contact is through MW Offshore Client Rep: [clientmoraywest@gmail.com](mailto:clientmoraywest@gmail.com)

Currently deployed onboard Olympic Electra – Brian Tait / to be replaced by Willian Buchan on 03/05/2023.  
 Contact is through MW Offshore Client Rep: [ocr.olympic.electra@gmail.com](mailto:ocr.olympic.electra@gmail.com)

### Distribution List

The distribution of this notice is as per email recipient's header. A central list of recipients is maintained by the Marine Coordinator; if you are not the appropriate recipient of these notices, or do



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not wish to receive the notices in the future, please contact us at the address included in Section 1 of this notice.

### **Website**

The official website of Moray Offshore Windfarm (West) Limited can be found at:

<https://www.moraywest.com/current-works/offshore-works>

This website will contain all Notices to Mariners (NtMs) published by Moray West during the construction phase of the project, Weekly Notices of Operations and general information about the project.